

Diagnostic procedure relating to connection of an antenna

ABSTRACT

This procedure is designed to test the correct connection of an antenna including a coil (L) or similar linked on the one hand to a reference potential and on the other hand to an output of an amplifier, a first capacitor (C2) being mounted in parallel with the coil (L) and a second capacitor (C3) being inserted between a terminal of the coil (L) and the reference potential.

It comprises the following steps:

- a) transmission of a signal by the amplifier,
- b) first measurement of the voltage at a terminal of the antenna during the transient state, and
- c) second measurement of the voltage at the same terminal of the antenna in the steady state.

Applicable to the LF antennas used in motor vehicles.

Figure 2